

**Amendments to the Specification:**

Please replace the paragraph beginning at page 3, line 24 of the original specification with the following:

Advantageously, the secure proxy is characterized in that:

- a configuration request by a user creates a father process that activates the first two steps;
- the father process generates a ~~son~~ second process that specifically activates the subsequent steps;
- upon each opening of a connection to the first port, the ~~son~~ second process generates a thread that disappears when said connection is closed.

Please replace the paragraph beginning at page 3, line 31, with the following:

Each thread uses all of the memory of the ~~son~~ second process. Thus, the opening of a new connection intended for the first port can use data from a previous connection intended for the first port, stored in the ~~son~~ second process.